

IN THE CLAIMS

Claims 1-17 are presented below, with claims 1-17 pending. As shown below, claims 1-15 have been amended, and new claims 16-17 have been added.

1. (Currently Amended) A reproducing apparatus for receiving contents data and index pictures corresponding thereto from a record medium or a transmission medium, ~~the picture frame sizes of the index pictures being smaller than the picture frame size of the contents data, displaying the index pictures on displaying means, and selecting contents data with the displayed index pictures,~~ the reproducing apparatus comprising:

~~first storing means for storing first index picture data that is received;~~

index picture generating means for retrieving a picture frame from the contents data, and generating an index picture, wherein the picture frame size of the index picture is smaller than the picture frame size of the contents data;

selecting means for selecting an output type of the index picture for a display device;

picture processing means for processing the first-index picture data according to the output type selected by said selecting means; and that is read from said first storing means; and

display means for displaying on the display device the index picture formed by said picture processing means;

~~second storing means for storing second index picture data that is formed by said picture processing means and for outputting picture data to be displayed,~~

wherein at least one index picture formed by said picture processing means is arranged in one direction on the display device, and ~~displayed corresponding to the picture data to be displayed.~~

2. (Currently Amended) The reproducing apparatus as set forth in claim 1,

wherein said picture processing means converts the component format of the ~~first~~ index picture data.

3. (Currently Amended) The reproducing apparatus as set forth in claim 1,

wherein said picture processing means has a mono-chrome data generating source and adds mono-chrome data generated by the mono-chrome data generating source to the picture frame of the ~~first~~ index picture data in a frame shape.

4. (Currently Amended) The reproducing apparatus as set forth in claim 3,

wherein said picture processing means adds the mono-chrome data to the picture frame of the ~~first~~ index picture data so that pictures of different picture frame sizes are converted into pictures of the same picture frame size.

5. (Currently Amended) The reproducing apparatus as set forth in claim 1,

wherein said picture processing means enlarges or reduces the picture frame size of the ~~first~~ index picture data.

6. (Currently Amended) The reproducing apparatus as set forth in claim 5,

wherein said picture processing means enlarges or reduces the picture frame size of the first-index picture data so that pictures of different picture frame sizes are converted into pictures of the same picture frame size.

7. (Currently Amended) The reproducing apparatus as set forth in claim 1,

wherein the ~~first-index picture data and second-index picture data are composed of~~
includes a first field and second field, and

~~wherein when the second-index picture data is written to said second storing means, data of one of the first field and the second field that is not being displayed is written.~~

8. (Currently Amended) The reproducing apparatus as set forth in claim 1,

wherein said index picture generating means ~~first storing means~~ is used for a decoding process for obtaining the first-index picture data.

9. (Currently Amended) A reproducing method for receiving contents data and index pictures corresponding thereto from a record medium or a transmission medium, ~~the picture frame sizes of the index pictures being smaller than the picture frame size of the contents data, displaying the index pictures on displaying means, and selecting contents data with the displayed index pictures,~~ the reproducing method comprising the steps of:

~~storing first index picture data that is received to first storing means;~~

retrieving a picture frame from the contents data;

generating an index picture, wherein the picture frame size of the index picture is smaller than the picture frame size of the contents data;

selecting an output type of the index picture for a display device;

processing the first index picture data according to the selected output type; and that is read from the first storing means with picture processing means; and

displaying on the display device the index picture formed by processing the index picture data;

storing second index picture data that is formed by the picture processing means in second storing means and for outputting picture data to be displayed from the second storing means;

wherein at least one index picture is arranged in one direction on the display device, and displayed corresponding to the picture data to be displayed.

10. (Currently Amended) The reproducing method as set forth in claim 9,

wherein the picture processing means converts processing the index picture data includes converting the component format of the first index picture data.

11. (Currently Amended) The reproducing method as set forth in claim 9,

wherein the picture processing means adds processing the index picture data includes adding mono-chrome data to the picture frame of the first index picture data in a frame shape.

12. (Currently Amended) The reproducing method as set forth in claim 11,

wherein ~~the picture processing means adds~~ processing the index picture data includes adding the mono-chrome data to the picture frame of the first-index picture data so that pictures of different picture frame sizes are converted into pictures of the same picture frame size.

13. (Currently Amended) The reproducing method as set forth in claim 9,

wherein ~~the picture processing means enlarges or reduces~~ processing the index picture data includes enlarging or reducing the picture frame size of the first-index picture data.

14. (Currently Amended) The reproducing method as set forth in claim 13,

wherein ~~the picture processing means enlarges or reduces~~ processing the index picture data includes enlarging or reducing the picture frame size of the first-index picture data so that pictures of different picture frame sizes are converted into pictures of the same picture frame size.

15. (Currently Amended) The reproducing method as set forth in claim 9,

wherein the ~~first-index picture data and second-index picture data are composed of~~ includes a first field and second field, and

wherein ~~when the second index picture data is written to the second storing means, data of one of the first field and the second field that is not being displayed is written.~~

16. (New) The reproducing apparatus as set forth in claim 1,

wherein the output type is selected from NTSC or PAL.

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17. (New) The reproducing method as set forth in claim 9,

wherein the output type is selected from NTSC or PAL.